

FORM PTO-144
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.:
200.1079con2SERIAL NO.:
10/056,347

LIST OF PRIOR ART CITED BY APPLICANT

(Use additional sheets if necessary)

APPLICANT(S):
Ronald M. BURCH et al.FILING DATE:
January 25, 2002

GROUP: 1639

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/J.E./	AA	4 4 6 4 3 7 6	08/07/1984	Sunshine et al.	424	253	
	AB						
	AC						
	AD						
	AE						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH							
	AI							
	AJ							
	AK							
	AL							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	AM	Degner, Frank, et al., "Efficacy and Tolerability of Meloxicam in an Observational, Controlled Cohort Study in Patients with Rheumatic Disease", Clin Therapeutics (Nov 2000) 22: 400-410.
/J.E./	AN	Lanes, Stephan et al., "Baseline Risk of Gastrointestinal Disorders Among New Users of Meloxicam, Ibuprofen, Diclofenac, Naproxen and Indomethacin", Pharmacoepidemiology and Drug Safety (2000) 9:113-117.
/J.E./	AO	Van Hecken, Anne, et al., "Comparative Inhibitory Activity of Rofecoxib, Meloxicam, Diclofenac, Ibuprofen, and Naproxen on COX-2 versus COX-1 in Healthy Volunteers", J Clin Pharmacol (2000) 40: 1109-1120.
/J.E./	AP	Richy, F., et al., "Time dependent risk of gastrointestinal complications induced by non-steroid anti-inflammatory drug use: a consensus statement using a meta-analytic approach", Ann Rheum Dis (2004) 64:759-766.
	AQ	
	AR	
	AS	

EXAMINER

/Jon Epperson/

DATE CONSIDERED

08/17/2007

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FORM PTO-1449 (REV. 1-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO.: 200.1079CON2		SERIAL NO.: Not yet known			
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)						APPLICANT(S): Ronald M. BURCH, et al.					
						FILING DATE: Herewith		GROUP: Not Yet Known			
U.S. PATENT DOCUMENTS											
*EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE					
/J.E./	AA	5 8 5 9 2 5 7	01/12/99 Talley	548	247	08/14/96					
	AB	5 8 6 3 9 2 2	01/26/99 Mayer, et al.	514	270	07/02/99					
	AC	5 8 4 0 7 3 1	11/24/98 Mayer, et al.	514	289	08/02/95					
	AD	5 8 6 9 4 9 8	02/09/99 Mayer, et al.	514	282	07/07/97					
	AE	5 8 6 1 4 1 9	01/19/99 Dube, et al.	514	334	07/11/97					
	AF	5 7 8 9 4 1 3	08/04/98 Black, et al.	514	255	01/21/97					
	AG	5 6 0 4 2 6 0	02/18/97 Guay, et al.	514	605	11/04/93					
	AH	5 4 5 8 8 7 9	10/17/95 Singh, et al.	424	400	09/30/94					
	AI	5 5 1 6 8 0 3	05/14/96 Raffa	514	570	03/01/95					
	AJ	5 8 4 3 4 6 8	12/01/98 Burkoth, et al.	424	448	05/13/96					
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)											
/J.E./	AK	<u>Differential Inhibition of Cyclooxygenase-1 (COX-1) and -2 (COX) By NSAIDs: Consequences on Anti-Inflammatory Activity Versus Gastric and Renal Safety</u> , M. Pairet, et al., <i>Inflammopharmacology</i> 4: 61-70, (1996).									
	AL	<u>Differential effects of inhibitors of cyclooxygenase (cyclooxygenase 1 and cyclooxygenase 2) in acute inflammation</u> , Derek W. Gilroy, et al. <i>European J. Pharm</i> 355 pp 211-217, (1998).									
	AM	<u>Cyclooxygenases 1 and 2</u> , J.R. Vane, et al. <i>Annu. Rev. Pharmacol. Toxicol.</i> 38: 97-121, (1998).									
	AN	<u>Analysis of the effects of cyclooxygenase (COX)-1 and COX-2 in spinal nociceptive transmission using indomethacin, a non-selective COX inhibitor, and NS-398, a COX-2 selective inhibitor</u> , Tatsuo Yamamoto, et al. <i>Brain Research</i> 739:104-110, (1996)									
	AO	<u>Comparative Analgesic Efficacy of Nimesulide and Diclofenac Gels after Topical Application on the Skin</u> , S. Sengupta, et al., <i>Skin Pharmacol. And Applied Skin Phys.</i> 11:273-278, (1998).									
	AP	<u>Carrageenan-induced hyperalgesia is associated with increased cyclo-oxygenase-2 expression in spinal cord</u> , Cartiona Hay and Jacqueline de Belleruche, <i>Neuro Report</i> 8, 1249-1251, (1997).									
	AQ	<u>The Mechanisms of Action of NSAIDs in Analgesia</u> , Jeremy N. Cashman, <i>Drugs</i> 52 Supp. 5:13-23, (1996).									
	AR	<u>Differential effects of inhibition of isoforms of cyclooxygenase (COX-1, COX-2) in chronic inflammation</u> , D.W. Gilroy, et al. <i>Inflamm. Res.</i> 47:79-85, (1998).									
	AS	<u>Constitutive Cyclooxygenase (COX-1) and Inducible Cyclooxygenase (COX-2): Rationale for Selective Inhibition and Progress to Date</u> , Don E. Griswold and Jerry L. Adams, <i>Medicinal Research Reviews</i> , Vol. 16, No. 2, pp. 181-206, (1996).									
EXAMINER			/Jon Epperson/				DATE CONSIDERED			08/17/2007	
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					FILING DATE: Not Yet Known		GROUP: Not Yet Known	
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE	
	BA							
	BB							
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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
							YES	NO
	BL							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
/J.E./	BM	Cyclooxygenase in biology and disease, Raymond N. Dubois, et al., FASEB J. Vol. 12 pp. 1063-1073 (1998).						
↓	BN	Pharmacology of Meloxicam, A new Non-Steroidal Anti-Inflammatory Drug With An Improved Safety Profile Through Preferential Inhibition of COX-2, G. Engelhardt, British J. Rheumatology, 35 (supp 1):4-12, (1996)						
↓	BO	Cyclooxygenase 1 Contributes to Inflammatory Responses in Rats and Mice: Implications for Gastrointestinal Toxicity, John L. Wallace, et al. Gastroenterology, 115:101-109 (1998).						
↓	BP	Distinct isoforms (COX-1 and COX-2) of cyclooxygenase: possible physiological and therapeutic implications, M. Pairet and G. Engelhardt, Fundam. Clin. Pharmacol. 10:1-15, (1996).						
↓	BQ	Involvement of Prostaglandins Produced by Cyclooxygenase-1 in Murine Visceronoception Induced by Phenylquinone, Hidenobu Kusuvara, et al. Prostaglandins 55: 43-49, (1998).						
↓	BR	Effect of COX-1 and COX-2 Inhibition on Induction and Maintenance of Carrageenan-Evoked Thermal Hyperalgesia in Rats. D. Dirig, et al. J. Pharmacol. And Experimental Therapeutics Vol. 285, No. 3, pp 1031-1038.						
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GROUP: Not Yet Known

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	CA						
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FOREIGN PATENT DOCUMENTS

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							YES NO
/J.E./	CE	9 9 0 7 4 1 3	2/18/99	WO			
/J.E./	CF	9 9 3 2 1 1 9	7/1/99	WO			
	CG						
	CH						
	CI						
	CJ						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	CK	Effect of meloxicam on postoperative pain after abdominal hysterectomy, J.P. Thompson et al. British Journal of Anaesthesia 84 (2) 151-4 (2000).
	CL	Intrathecal cyclooxygenase inhibitor administration attenuates morphine antinociceptive tolerance in rats. C.S. Wong et al., British Journal of Anaesthesia 85 (5) 747-51 (2000).
	CM	Cyclooxygenase inhibitors increase morphine effects on mesolimbic dopamine neurons, M. Melis, et al. Eur. J. Pharmacology 387 (1) R1-R3 (2000).
	CN	Synergistic antiallodynic effects of spinal morphine with ketorolac and selective COX-1 and COX-2 inhibitors in nerve-injured rats, J.M. Lashbrook, et al. Pain 82 (1) 65-72 (1999).
↓	CO	Enhancement of opioid inhibition of gaba-ergic synaptic transmission by cyclo-oxygenase inhibitors in rat periaqueductal grey neurones, Vaughn et al. British Journal of Pharmacology 123 (8) 1479-81 (1998).

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/J.E./	DA	5	4	7	4	9	9	5	12/12/95	Ducharme et al.	514	241	01/10/94	
/J.E./	DB	5	6	9	1	3	7	4	11/25/97	Black et al.	514	473	05/18/95	
	DC													
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/J.E./	EA	3	8	0	0	0	4	1	03/26/74	Miller, et al.	424	273	03/02/71
	EB	4	3	2	2	4	2	7	03/30/82	Buyinski, et al.	424	260	04/16/81
	EC	4	3	3	8	3	2	4	06/06/82	Gardocki	424	266	03/17/81
	ED	4	4	0	4	2	1	0	09/13/83	Schmidt	424	260	06/30/82
	EE	4	4	0	7	8	0	4	10/04/83	Schmidt	424	260	06/30/82
	EF	4	4	0	7	8	0	5	10/04/83	Schmidt	424	260	06/30/82
	EG	4	4	6	4	3	7	6	08/07/84	Sunshine, et al.	424	253	10/11/83
	EH	4	4	8	6	4	3	6	12/04/84	Sunshine, et al.	424	253	03/11/83
	EI	4	4	8	9	0	8	0	12/18/84	Lomen	424	260	12/06/82

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
													YES	NO
	EJ	2	0	2	3	3	4	9	02/18/91	Canada	A61K	31/44		
	EK	0	2	7	4	8	4	5	07/20/88	EP (A1)	A61K	31/19		
	EL	0	3	8	8	1	2	5	09/19/90	EP (A1)	A61K	31/485		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	EM	Pharmacokinetics and Drug Input Characteristics for a Diclofenac-Codeine Phosphate Combination Following Oral and Rectal Administration A. Hansen, et al. <i>Arzneim-Forsch./Drug Res.</i> 46 (I) 57-63 (1996).
/J.E./	EN	Comparison of a Standard Ibuprofen Treatment Regimen with a New Ibuprofen/Paracetamol/Codeine Combination in Chronic Osteo-arthritis G.K. Vlok, et al. Univ. Stellenbosch and Tygerberg Hospital, Dept. Orthopaedic Surg. pp 3-6, (1987).
	EO	
	EP	
	EQ	
	ER	

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/J.E./	FA	4	5	6	7	1	8	3	01/28/86	Sunshine, et al.	514	264	12/12/83
	FB	4	5	6	9	9	3	7	02/11/86	Baker, et al.	514	282	02/11/83
	FC	4	5	7	1	4	0	0	02/18/86	Arnold	514	282	12/18/84
	FD	4	5	8	7	2	5	2	05/06/86	Arnold	514	282	12/18/84
	FE	4	6	1	9	9	3	4	12/28/86	Sunshine, et al.	514	277	07/08/85
	FF	4	6	9	0	9	2	7	09/01/87	Voss, et al.	514	282	02/03/86
	FG	4	8	3	9	1	7	6	06/13/89	Pahkhanian, et al.	424	465	12/08/87
	FH	4	8	4	4	9	0	7	07/04/89	Elger, et al.	424	465	08/14/86
	FI	4	9	2	7	8	5	4	05/22/90	Sunshine, et al.	514	570	08/21/89
	FJ	5	1	6	4	3	9	8	12/17/92	Sims, et al.	514	282	04/01/91
	FK	5	1	9	0	9	4	7	03/02/93	Riess, et al.	514	282	08/16/91
	FL	5	2	4	0	6	9	4	08/31/93	Gwaltney, Jr.	424	45	12/19/91

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
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	FM	0	0	6	8	8	3	8	06/25/82	EP (A1)	A61K	31/485		
	FN	0	0	6	8	8	3	8	06/25/82	EP (B1)	A61K	31/485		
	FO	2	0	8	1	6	0	4	05/01/95	Canada	A61K	031/135		
	FP													
	FQ													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	FR	
	FS	
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LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)						APPLICANT(S): Ronald M. BURCH , et al.			
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE			
/J.E./ 	GA	5 4 0 9 9 4 4	04/25/95 Black, et al.	514	359	03/12/93			
	GB	5 4 3 6 2 6 5	06/25/95 Black, et al.	514	420	11/12/93			
	GC	5 5 1 0 3 6 8	04/23/96 Lau, et al.	514	419	05/22/95			
	GD	5 5 2 1 2 1 3	05/28/96 Prasit, et al.	514	443	08/29/94			
	GE	5 5 5 0 1 4 2	08/27/96 Ducharme et al.	514	365	05/08/95			
	GF	5 5 5 2 4 2 2	09/03/96 Gauthier, et al.	514	368	01/11/95			
	GG	5 6 0 4 2 5 3	02/18/97 Lau, et al.	514	415	05/22/95			
	GH	5 6 3 9 7 8 0	06/17/97 Lau, et al.	514	419	05/22/95			
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION			
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	GI								
	GJ								
	GK								
	GL								
	GM								
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
/J.E./	GN	Anti-inflammatory Drugs and Their Mechanism of Action J.R. Vane, et al. Inflamm. Res. 47, Supplement 2 (1998).							
	GO								
	GP								
	GQ								
	GR								
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	HD						
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							YES	NO
	HL							
	HM							
	HN							
	HO							
	HP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	HQ	Rorarius et al., "Non-Steroidal Anti-Inflammatory Drugs for PostOperative Pain Relief," Curr. Opin. In Anaesthesiology, 7, 358-362). (1994)
↓	HR	Hanses et al. "Pharmacokinetics and Drug input Characteristics for a Disclufenac-Codeine Phosphate Combination Following Oral and Rectal Administration," Arzneim.-Forsch./Drug Res., 46(I), Nr. 1,57-63. (1996)
↓	HS	Merck Index, Twelfth Edition, Merck & Co. Publishers, page 1194. (1996)
↓	HT	Goodman and Gillman's: Pharmaceutical Basis of Therapeutics, "Chapter 22: Opioid Analgesics and Antagonists", MacMillan Publishing Co., Inc., pp-494-497, esp. Table 22-1, p. 496. (1980)

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